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Chen 1-18

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s):	Y. Chen et al.
Case:	1-18
Serial No.:	09/608,639
Filing Date:	June 30, 2000
Group:	2828
Examiner:	Cornelius H. Jackson

I hereby certify that this paper is being transmitted on this date via facsimile to Examiner Cornelius H. Jackson of the United States Patent and Trademark Office at (571) 273-1942.

Signature: Lisa L. Vulpis Date: January 10, 2005

Title: System Comprising Optical Semiconductor Waveguide Device

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LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As per the request of Examiner Jackson, listed below are the pending claims of the above-identified application.

If any additional information is required, please contact the undersigned.

1. (Previously presented) An optical communication system comprising an external cavity laser that comprises:

a gain medium comprising an active region, the gain medium including an antireflective layer to prevent the laser from lasing off facets of the laser, the active region containing a quantum well to generate light, the quantum well having sides and cladding layers formed on the sides;

a tapered beam expanding region, optically coupled to the active region, the beam expanding region and being wider than the active region, the beam expanding region shaped to provide lateral broadening and vertical broadening or both;

PAGE 2/3 * RCVD AT 1/10/2005 3:54:33 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/24 * DNIS:2731942 * CSID:5167599512 * DURATION (mm-ss):01-44

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